

CNC Innovations, LLC

Innovation Driving Quality and Productivity

PRODUCT SUMMARY

Focal*Point DNC software lets you create a fully automated Distributed Numerical Control network linked to powerful, easy-to-use, NC program management databases. More than just a communications package, it provides users with the ability to manage, request, control, edit, compare and archive NC programs in a timely and efficient manner.

FILE MANAGEMENT

Focal*Point's strength lies in its file management capability. With its included Parts and Operations database and DNC*Library, the term DNC now includes both NC program transfers and sophisticated paperless manufacturing.

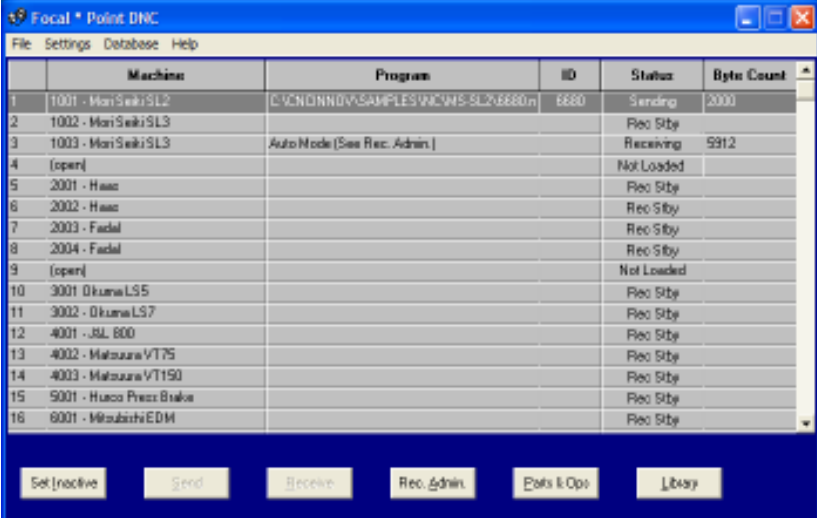
Using Parts and Operations, operators have instant access to job documents such as setup sheets, digital photos, CAD drawings, tooling information, quality specifications and historic review data. To minimize licensing fees, documents can be viewed using most of the popular document viewers.

Focal*Point's instantly populated DNC*Library, lets operators and programmers identify NC programs by their ID, folder location, description, program category and revision level.

SIMPLIFIED REMOTE FILE REQUEST

Each NC program in the DNC*Library is assigned a unique DNC*ID or file name pointer. The ID simplifies remote program downloads by eliminating the need for fixed folder locations or the need to specify long paths and file names in a remote file request. This feature also allows NC programs to reside on any level of your network structure.

Remote requests with many DNC systems are limited by the machine control's syntax and naming capability. Focal*Point overcomes such failings with a multi-option, machine targeted, DNC*ID.



	Machine	Program	ID	Status	Byte Count
1	1001 - Mori Seiki SL2	C:\NC\NONDVSAMPLES\NCMS-5L2N6680n	6680	Sending	2000
2	1002 - Mori Seiki SL3			Rec Stby	
3	1003 - Mori Seiki SL3	Auto Mode (See Rec. Admin.)		Receiving	9912
4	(open)			Not Loaded	
5	2001 - Haas			Rec Stby	
6	2002 - Haas			Rec Stby	
7	2003 - Fadal			Rec Stby	
8	2004 - Fadal			Rec Stby	
9	(open)			Not Loaded	
10	3001 - Okuma LS5			Rec Stby	
11	3002 - Okuma LS7			Rec Stby	
12	4001 - JSL 800			Rec Stby	
13	4002 - Mazakura VT75			Rec Stby	
14	4003 - Mazakura VT150			Rec Stby	
15	5001 - Haco Press Brake			Rec Stby	
16	6001 - Mizubashi EDM			Rec Stby	

SHOP
DNC
&
FILE
MANAGEMENT

Focal*Point™ DNC

Communications
Designed Specifically for
CNC Controls

NC Program Database
For Simplified Program
Selection

LAN Compatible for
Inclusion in Daily
Backup Routines

Parts and Operations
Database for Paperless
Manufacturing

Full NC Program Editor
Including Support for
Third Party Editors

Data Collection Option
to Capture DPRNT
Statements

Automated Compare
of Original and Modified
Programs

Automated Archive
for Overwritten
NC Programs

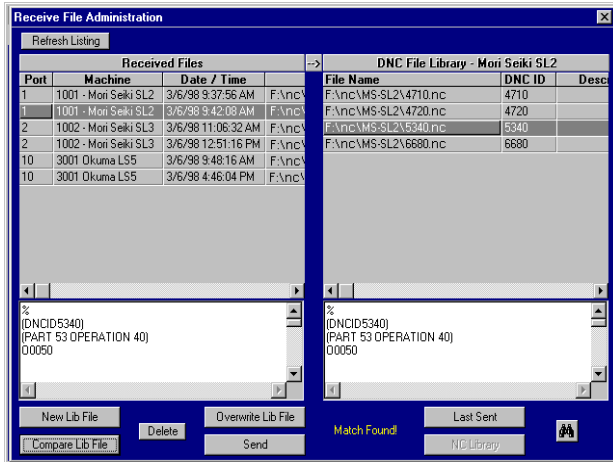
Single and Multi
Port Configuration
Options

Optimized for
Wireless

MANAGING PROGRAMS

RECEIVED FROM THE SHOP FLOOR

Uploaded files received from machine controls are managed through a sophisticated yet simple-to-use Receive File Administration module. Using the previously discussed DNC*ID, files received from each machine are automatically matched with the original NC program file.



A single mouse click on a received program will display a preview of both the original and received files, while double-clicking the entry will open the file editor. If a full scan is warranted, a second mouse click will launch a comprehensive file compare function.

Another time-saving feature automatically updates the DNC*Library's program revision stamp for overwritten NC programs, and provides the basis for compliance with ISO 9000 and other quality assurance programs.

To compliment ISO compliance, the File Archive function will automatically archive original programs before the Receive File Administrator overwrites them. Files are archived in a manner that allows for easy retrieval and are tracked with the help of an archive history viewer.

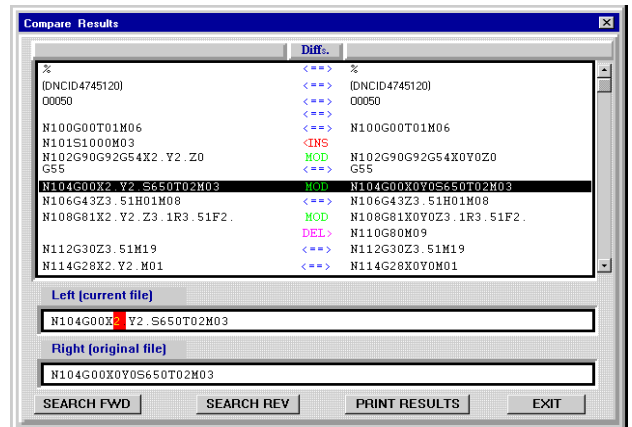


COMMUNICATIONS

Communications are provided through a background processing engine designed specifically for machine control applications. As this engine is not dependent on the limited pre-packaged Windows instruction set, it allows Focal*Point to communicate efficiently with almost all serial, Ethernet and FTP style machine controls--including many machines with special data formats. Focal*Point can also be linked to older controls using our recommended Behind the Tape Reader (BTR) device.

FILE COMPARE

Focal*Point's unsurpassed file compare function allows NC programmers and shop floor personnel to quickly find and document program modifications on programs of any size. The compared files are presented side-by-side and automatically aligned to compensate for deleted or inserted lines. Differences are displayed with color highlights. Search forward/reverse buttons allow for quick navigation from one modification to the next.



FILE EDITING

Focal*Point gives the option of using either of its two standard editors or any third-party editor of your choice. The editing consoles support files of unlimited size without the worry of corruption as found with standard document editors. You'll also find advanced features such as displaying axis or function commands in your choice of color, viewing a program in easy-to-read tabulated format, and re-sequencing all or any part of the program.

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P.O. Box 327,
Auburn, MA 01501

Telephone: 508-523-1763
Facsimile: 508-892-0378

E-mail: info@cncinnov.com
Web Site: www.cncinnov.com